

Abstract

In a pre-emphasis unit device which transmits signals along a transmission line with a frequency-dependent pre-emphasis, the frequency response of the pre-emphasis unit is varied to match characteristics of the transmission line.

- 5 Initially the pre-emphasis unit is set to transmit pulses of known length along a transmission line with the pre-emphasis of the high frequency portions of the signal being relatively low. The duration of the received pulse is measured. Gradually the pre-emphasis unit is modified to increase the high-pass filtered signals until the measured duration of the pulse is as great as the transmitted
- 10 duration, to within a certain tolerance.

[Fig. 9]